

CORROSION RESISTANT MEMBER

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- **european:**

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Abstract of JP10045467

PROBLEM TO BE SOLVED: To prevent the falling of grains from the surface of a sintered compact of glass, stainless steel, alumina or AlN used so far and the generation of particles by gradual progress of corrosion caused owing to unsatisfactory corrosion resistance to fluorine-contg. plasma.

SOLUTION: A part of a member exposed to fluorine-contg. corrosive gas such as CF4 or SF4 or plasma of the gas is made of a sintered compact of a multiple oxide contg. a group IIIa metal of the Periodic Table such as Y, La, Ce, Nd or Dy and Al and/or Si, e.g. 3Y₂O₃.5Al₂O₃, 2Y₂O₃.Al₂O₃, Y₂O₃.Al₂O₃, a di- or monosilicate.

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